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IEEE JNL IEEE Journal or Magazine

IEE JNL IEE Journal or Magazine

IEEE CNF IEEE Conference Proceeding

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IEEE STD IEEE Standard

- ☐ 1. **Moving from data modeling to process modeling in CIM**
Kumar, A.; Karnik, N.; Ravindranath, C.K.;
[Integrated Network Management, 2005. IM 2005. 2005 9th IFIP/IEEE International Symposium on](#)
15-19 May 2005 Page(s):673 - 686
Digital Object Identifier 10.1109/INM.2005.1440839
[AbstractPlus](#) | Full Text: [PDF\(203 KB\)](#) IEEE CNF
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- ☐ 2. **Policy-based network management in an integrated mobile network**
Oliveira, J.L.; Gongalves, P.; Dziunikowski, W.; Wszolek, J.; Rasmussen, S.; Lopes, R.P.; Roque, V.;
[Telecommunications, 2005. Advanced Industrial Conference on Telecommunications/Service Assurance with Partial and Intermittent Resources Conference/ E-Learning on Telecommunications Workshop. AICT/SAPIR/ELETE 2005. Proceedings](#)
17-20 July 2005 Page(s):59 - 64
Digital Object Identifier 10.1109/AICT.2005.74
[AbstractPlus](#) | Full Text: [PDF\(192 KB\)](#) IEEE CNF
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- ☐ 3. **Unified service level monitoring using CIM**
Debusmann, M.; Schmidt, M.; Schmid, M.; Kroeger, R.;
[Enterprise Distributed Object Computing Conference, 2003. Proceedings. Seventh IEEE International](#)
16-19 Sept. 2003 Page(s):76 - 85
Digital Object Identifier 10.1109/EDOC.2003.1233839
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DMTF (Distributed Management Task Force) (Linktionary term)

Description of DMTF (Distributed Management Task Force) from Tom Sheldon's Encyclopedia of Networking and Telecommunications.

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CIM Tutorial > WBEM > CIM > Managed Object Format (MOF)

Introduction · End to End Management · Common Information Model · Web Based Enterprise Management · Directory Enabled Network · DMTF · Glossary ...

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DMTF's SMASH Could Be a Hit

The DMTF has produced widely accepted cross-vendor standards for management ...

SMASH uses information arranged on the DMTF's widely adopted CIM (Common ...

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Management Developers Conference :: Track - DMTF

It is intended for developers who are new to the DMTF. ... This tutorial session

will explain the DMTF's Common Information Model (CIM) and CIM Core Schema. ...

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The network and communications infrastructure form the backbone of businesses and organizations, making effective management of these systems a critical requirement. As the technologies that address telecommunications and enterprise networks converge, organizations are looking for ways to seamlessly manage these environments to streamline processes and deliver value.

DMTF standards and technologies enable end-to-end management in a distributed, networked environment – across the enterprise and beyond. From switches and routers to high availability applications and VLANs, DMTF standards define the technologies that comprise the network and deliver reliable ways to manage them.

The DMTF's [Common Information Model \(CIM\)](#) and [Web-Based Enterprise Management \(WBEM\)](#) standards provide a common way to describe and exchange management information for interoperable networking and communications. These standards offer the platform-independent technologies organizations need to deliver the reduced operational costs that result from a simplified IT infrastructure.

Related Links

[CIM Network White Paper \(DSP0152 - PDF\)](#)[CIM Network OSPF Sub-Model White Paper \(DSP0160 - PDF\)](#)*Considered all
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[Learning Center](#) – Visit the Learning Center for DMTF Standards Briefs and more.

[DMTF Standards](#) – All of the DMTF's standards and specifications can be found on our Standards page. If you're looking for more on a specific DMTF technology, you can also visit our list of [Technologies A to Z](#).

[Alliance Partners](#) – The DMTF has Alliance Partnerships with the leading standards bodies in the industry, including those in the networking and communications space. See how these groups are committed to working with the DMTF to maximize each organization's standards by viewing the [Alliance Partner Work Registers](#).

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DMTF Announces Group Dedicated to SMASH Interoperability Program



The DMTF recently announced the formation of a Forum dedicated to the interoperability of the DMTF's Systems Management Architecture for Server Hardware (SMASH) initiative specifications. Through the development of conformance testing programs, the SMASH Forum will extend the capabilities of the SMASH standards by helping deliver additional compatibility in cross-platform servers.

To learn more about this exciting effort and how to join, the group's charter can be downloaded in [PDF format](#). For more information on the SMASH initiative and server management, visit the [DMTF's SMASH Web site](#).

Thanks to all who participated in the 2006 DMTF Member Survey! The survey is now closed, and the results are being tabulated to help the DMTF set its goals and priorities for 2006. Prize winners were announced in the February 1 DMTF Newsletter.

DMTF News & Press Releases

- ☐☐ [DMTF Announces Group Dedicated to SMASH Interoperability Program](#)
January 24, 2006
[More from the Industry on the DMTF SMASH Forum - PDF](#)
- ☐☐ [DMTF Unveils CDM Forum Activities](#)
December 6, 2005
- ☐☐ [DMTF Elects Fujitsu to Board of Directors](#)
November 15, 2005

Visit the [DMTF News Room](#)

Technology Updates

- ☐☐ [CIM Schema v2.11](#)
- ☐☐ [CIM Schema v2.10.1](#)
- ☐☐ [CIM Schema v2.9.0](#)
- ☐☐ [The Continuing Evolution of Distributed Systems Management](#)
(pdf, 422k)
- ☐☐ [In the News: View the latest Press Articles on DMTF](#)
- ☐☐ [DMTF Showcase: A showcase of member companies and their use of DMTF technologies.](#)

DMTF Newsletter

In the February 2006 Issue:

- ☐☐ [DMTF SMASH Forum Launched](#)
- ☐☐ [SMASH SM CLP Released in Final Status](#)
- ☐☐ [Learn About the DMTF Profile Program](#)
- ☐☐ [CIM 2.11 Now Available](#)
- ☐☐ [Alliance Partner Spotlight: NAC](#)
- ☐☐ [DMTF Committee and Work Group Process Policy Updated](#)
- ☐☐ [DMTF Member Survey a Success!](#)

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Presentations

The DMTF is very interested in keeping members, the industry, and the public informed about exciting new developments. Over the years a large number of presentations have been given at various conferences with a wealth of information.

Check the [Past Events](#) area for presentations from the **2003 Global Management Conference**, and past Developers' Conferences.

Recent Presentations

Why CIM? (1.8mb PDF)

Andrea Westerinen, Global Grid Forum 10

This was a short (approximately one hour) mini-tutorial on CIM was presented to the Global Grid Forum's (GGF's) CIM Grid Services working group on the topic "Why CIM."

DMTF Update (474k PDF)

Andrea Westerinen, TM Forum IGAB

At the recent TeleManagement World conference, sponsored by DMTF Alliance Partner TM Forum, the TM Forum Industry Group Advisory Board received an update on the DMTF and its activities from Todd Guay, vice chair of the DMTF Technical Committee. This industry outreach helped educate key decision makers on our latest progress, and continued the DMTF's close relationship with TM Forum, as the two groups work to converge the management of telecom and enterprise environments.

DMTF Presents at Service Availability Forum Meeting (202k PDF)

Jim Willits, Service Availability Forum member meeting

A CIM Tutorial for the benefit of meeting attendees. Helping spread the word about the uses and advantages of CIM, this speaking opportunity further illustrates the DMTF's commitment to industry education activities.

What Is Policy? And, What Can It Be? (104k PDF)

Andrea Westerinen, Policy 2003 Keynote

Confusion abounds regarding what policy really is. Many products advertise policy-based management when they only offer customizable features and basic if-then processing. There are attempts to mis-classify data and operations as "policy", just because information and methods are used in a policy framework. All of this is problematic. It confuses customers, and introduces FUD (fear, uncertainty and doubt) into the industry (not to mention lack of interoperability). This keynote describes what policy is, and provides criteria for evaluating a product's claims to policy. The possibilities of deploying enterprise-wide, interoperable, policy-based frameworks are examined, as well as the barriers that must be overcome to achieve this. The goal is to understand "what policy can be", in order to direct and evolve the standards and technology.

Common Information versus Information Overload (94k PDF)

Presentation of the NOMS 2002 paper

Coordinating management data across vendors and products is quickly becoming an overwhelming task. Sophisticated tools are needed to mine information from varying locations in MIBs, PIBs, CLI constructs, directory schemas, and other repositories and management

standards. As data silos become larger and larger, and as individuals are expected to support more and more systems, the need for abstracted data that is consistent across vendors' platforms has become a requirement. A new philosophy and approach for modeling management information, using relevant abstractions from the DMTF CIM Schema are proposed. Included in this work are recommendations to accomplish successful modeling of management data. (10 pages)

Directory Architectures and Data for Managing Mobile Computing (162k PDF)
Andrea Westerinen at The Open Group

The use of directories and DEN enable management of networks and mobile computing environments. This presentation overviews the current environment, discusses directory design issues, and presents the data (and specific CIM object models) that are needed to support management and mobility. (13 pages)

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